



QUALCOMM Incorporated

5775 Morehouse Drive
San Diego, CA 92121-1714

www.qualcomm.com

Via Email and Mail

July 15, 2015

Mr. Thomas Goode
ATIS General Counsel
ATIS
1200 G. Street, NW
Suite 500
Washington, DC 20005
Email: patents@atis.org

RE: Patent Holder Statement on behalf of QUALCOMM Incorporated for
ATIS.oneM2M.TS0001V161-2015; ATIS.oneM2M.TS0003V101-2015;
ATIS.oneM2M.TS0004V101-2015

Dear Mr. Goode:

Please find attached Qualcomm Incorporated's Patent Holder Statement for
ATIS.oneM2M.TS0001V161-2015; ATIS.oneM2M.TS0003V101-2015; and
ATIS.oneM2M.TS0004V101-2015.

Please confirm receipt of these Statements at your earliest convenience via email to my attention at
ip.disclosure@qualcomm.com. If you have any questions or concerns, please contact me directly at 858-
587-1121. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "TR Rouse", with a long horizontal line extending to the right.

Thomas R. Rouse
VP, QTL Patent Counsel
Qualcomm Incorporated

TR/gg

**ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS (ATIS)
PATENT HOLDER STATEMENT**

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

This form may be used (consistent with ATIS' Intellectual Property Rights Policy, which may be found in ATIS Operating Procedures by the holder of a patented invention that may be required for adopting, complying with or otherwise utilizing an ATIS-developed American National Standard or other ATIS deliverable. **The use of this form is voluntary.**

Neither ATIS nor any of its Forums or Committees shall be responsible for and expressly take no position concerning the information reflected in the form, or as respects the validity, enforceability or scope of any patented invention referenced in or identified in the form, or concerning the relevance or applicability of any such patented invention to an ATIS-developed American National Standard or other ATIS deliverable.

The use of this form, or its submission to ATIS, is not and shall not be construed as the grant of a license in connection with any patented inventions identified. Nor shall this form or its use create or imply any obligation by the holder of a patented invention to conduct a patent search. To the extent that a license may be sought from the holder of the patented invention identified in this form, the discussion and negotiation of all license terms shall occur directly between the holder of the patented invention and each prospective licensee outside the deliberations of ATIS and its Forums and Committees.

No discussion or negotiation of license terms is permitted in any Forum or Committee. For further information regarding the licensing of any patented inventions identified in this Statement, please contact the person identified in Section B.

The Party submitting this Statement agrees that the owner (or party authorized to make assurances on its behalf) of patents that are the subject of this Statement will, in documents transferring ownership of such patents, include provisions sufficient to ensure that the commitments reflected in this Statement concerning the patents subject to this Statement are binding on the transferee, and that the transferee will similarly include appropriate provisions in the event of future transfers of such patents with the goal of binding each successor-in-interest. This Statement and the assurances contained herein are intended to be binding on successors-in-interest regardless of whether such provisions are included in relevant transfer documents.

A. PARTY SUBMITTING THE STATEMENT

Legal Name (e.g. XYZ Corp.): **QUALCOMM Incorporated**

B. CONTACT FOR LICENSING INFORMATION

Contact Name: Thomas R. Rouse	Title: VP, QTL Patent Counsel
Department: QTL	
Address: 5775 Morehouse Drive, San Diego, CA 92121	
Telephone: 858-587-1121	Fax: 858-651-0933
Email: ip.disclosure@qualcomm.com	

C. ATIS-DEVELOPED AMERICAN NATIONAL STANDARD OR OTHER ATIS DELIVERABLE

Please complete a separate Patent Holder Statement for each standard/deliverable.

ATIS Forum/Committee:	WTSC
ATIS Document Number:	ATIS.oneM2M.TS0001V161-2015
Title:	Functional Architecture
Other tracking identifiers*, if appropriate:	

*Note: If the standard/deliverable information is not available, please provide available tracking identifiers (e.g., Committee and Issue number, working text number, contribution number).

D. LICENSING ASSURANCE

In accordance with Section 10.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby declares the following (*check box 1, 2a, 2b or 2c and either box 3a or 3b*):

- ☐ 1. The Party submitting this Statement does not hold or does not currently intend holding any invention the use of which would be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C.
2. The Party submitting this Statement may hold a patent covering an invention the use of which may be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, and with respect to claim(s) of such patent(s), as may be specified more particularly in Section E, that are required for compliance with that ATIS-developed American National Standard or other ATIS deliverable (*check only one box*):
- ☐ a. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, without compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here ___ if the Party submitting this Statement reserves the right to obtain compensation from applicants who are only willing to license, for compensation, their claim(s) of patents covering an invention, the use of which is required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, on reasonable terms and conditions that are demonstrably free of any unfair discrimination.
- or
- ☒ b. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, with compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here X if such licensing assurance is subject to applicant reciprocity.
- or
- ☐ c. Is unwilling or unable to grant licenses according to the provisions of either 2a or 2b.

3. If the Party submitting this Statement has checked box 2a or 2b, please indicate whether (*check a or b below*):

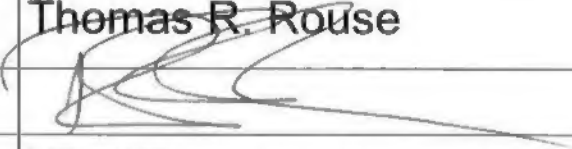
- ☐ a. The license assurance is provided for any claim(s) of any patent(s) owned or controlled by the Party submitting this Statement, and which such Party has a right to license, covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C, including the claim(s) of the patent(s) identified in Section E, if any; or
- ☒ b. The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C.

E. IDENTIFICATION OF PATENTS (Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title	Relevance*
see attached list				

* Note: A Party may, at its discretion, provide further information or explanation in respect of the invention's relevance to the American National Standard or other ATIS Deliverable identified in Section C.

F. SIGNATURE

Name of Authorized Person (type or print legibly):	Thomas R. Rouse
Signature of Authorized Person:	
Title:	VP, QTL Patent Counsel
Date:	July 15, 2015

For more information regarding ATIS' patent policy, please see Section 10.4 of the ATIS Operating Procedures (Version 4.0), which is available online at www.atis.org/atisop.pdf.

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
7,684,787	United States	Granted	Method and apparatus for routing messages of different message services in a wireless device	ATIS.oneM2M.TS0001V161-2015
PI0311356-6	Brazil	Pending	Method and Apparatus for Routing Messages of Different Message Services in a Wireless Device	ATIS.oneM2M.TS0001V161-2015
ZL03812347.9	China P.R.	Granted	Method and apparatus for routing messages of different message services in a wireless device	ATIS.oneM2M.TS0001V161-2015
03729066.5	European Patent Convention	Pending	Method and Apparatus for Routing Messages of Different Message Services in a Wireless Device	ATIS.oneM2M.TS0001V161-2015
HK1080250	Hong Kong	Granted	Method and Apparatus for Routing Messages of Different Message Services in a Wireless Device	ATIS.oneM2M.TS0001V161-2015
4944147	Japan	Granted	Method and apparatus for routing messages of different message services in a wireless device	ATIS.oneM2M.TS0001V161-2015
2004-510259	Japan	Pending	Method and Apparatus for Routing Messages of Different Message Services in a Wireless Device	ATIS.oneM2M.TS0001V161-2015
10-0955441	Republic of Korea	Granted	Method and apparatus for routing messages of different message services in a wireless device	ATIS.oneM2M.TS0001V161-2015
I333761	Taiwan	Granted	Method and Apparatus for Routing Messages of Different Message Services in a Wireless Device	ATIS.oneM2M.TS0001V161-2015
8,320,880	United States	Granted	Apparatus and methods for secure architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
ZL200680033790.7	China P.R.	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
11006930.9	European Patent Convention	Pending	Methods and apparatus for secure architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
06851607.9	European Patent Convention	Pending	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
10102491.8	Hong Kong	Pending	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
253142	India	Granted	A method for securely exchanging information over a wireless network.	ATIS.oneM2M.TS0001V161-2015
272/MUMNP/2012	India	Pending	A method for securely exchanging information over a wireless network	ATIS.oneM2M.TS0001V161-2015
4875097	Japan	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
10-0961796	Republic of Korea	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
10-1001819	Republic of Korea	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
1318840	Taiwan	Granted	Apparatus and methods for secure architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
13/661,816	United States	Pending	Apparatus and methods for secure architectures in wireless networks	ATIS.oneM2M.TS0001V161-2015
8,316,152	United States	Granted	Methods and apparatus for machine-to-machine communications	ATIS.oneM2M.TS0001V161-2015
193145	Israel	Pending	Methods and apparatus for machine-to-machine communications	ATIS.oneM2M.TS0001V161-2015
570266	New Zealand	Pending	Methods and apparatus for machine-to-machine communications	ATIS.oneM2M.TS0001V161-2015
2008134897	Russian Federation	Pending	Methods and apparatus for machine-to-machine communications	ATIS.oneM2M.TS0001V161-2015
1-2008-01982	Vietnam	Pending	Methods and apparatus for machine-to-machine communications	ATIS.oneM2M.TS0001V161-2015
12/576,496	United States	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0001V161-2015
200980140971.3	China P.R.	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0001V161-2015
09740600.3	European Patent Convention	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0001V161-2015
2681/CHENP/2011	India	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0001V161-2015
5502876	Japan	Granted	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0001V161-2015
10-1255658	Republic of Korea	Granted	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0001V161-2015
8,897,266	United States	Granted	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015
UNKNOWN	Brazil	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015
7127/CHENP/2011	India	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015
2012-502217	Japan	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015
10-2011-7025523	Republic of Korea	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015
2011143357	Russian Federation	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
2011/07845	South Africa	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0001V161-2015
12/987,901	United States	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
201180011252.9	China P.R.	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
11703065.0	European Patent Convention	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
1604/MUMNP/2012	India	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
2012-549142	Japan	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
10-1458081	Republic of Korea	Granted	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
100101587	Taiwan	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0001V161-2015
8,762,450	United States	Granted	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
201180036523.6	China P.R.	Pending	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
EP2599362	Germany	Granted	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
EP2599362	European Patent Convention	Granted	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
EP2599362	Great Britain	Granted	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
334/CHENP/2013	India	Pending	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
5694530	Japan	Granted	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
10-1452260	Republic of Korea	Granted	Apparatus and method for reducing frequent server messages	ATIS.oneM2M.TS0001V161-2015
13/349,938	United States	Pending	Telehealth wireless communication hub and service platform system	ATIS.oneM2M.TS0001V161-2015
201280008994.0	China P.R.	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015
12701614.5	European Patent Convention	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015
5720/CHENP/2013	India	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015
2015-106271	Japan	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015
2013-549603	Japan	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015

E. Identification of Patents

Patent No. or Application No. (If pending)	Country	Status	Title	Specification
10-2013-7021418	Republic of Korea	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015
10-2014-7031918	Republic of Korea	Pending	Telehealth wireless communication hub device and service platform system	ATIS.oneM2M.TS0001V161-2015
13/233,985	United States	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0001V161-2015
201280052598.8	China P.R.	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0001V161-2015
12780912.7	European Patent Convention	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0001V161-2015
1648/CHENP/2014	India	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0001V161-2015
2014-530885	Japan	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0001V161-2015
10-2014-7009986	Republic of Korea	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0001V161-2015
8,831,658	United States	Granted	Controlling application access to a network	ATIS.oneM2M.TS0001V161-2015
201180053232.8	China P.R.	Pending	Controlling application access to a network	ATIS.oneM2M.TS0001V161-2015
11785239.2	European Patent Convention	Pending	Controlling application access to a network	ATIS.oneM2M.TS0001V161-2015
3204/CHENP/2013	India	Pending	Controlling application access to a network	ATIS.oneM2M.TS0001V161-2015
5763205	Japan	Granted	Controlling application access to a network	ATIS.oneM2M.TS0001V161-2015
10-1504293	Republic of Korea	Granted	Controlling application access to a network	ATIS.oneM2M.TS0001V161-2015
13/691,643	United States	Pending	Systems and methods for group based access control of machine to machine devices	ATIS.oneM2M.TS0001V161-2015
201280068653.2	China P.R.	Pending	Systems and methods for group based access control of machine to machine devices	ATIS.oneM2M.TS0001V161-2015
12799696.5	European Patent Convention	Pending	Systems and methods for group based access control of machine to machine devices	ATIS.oneM2M.TS0001V161-2015
3644/CHENP/2014	India	Pending	Systems and methods for group based access control of machine to machine devices	ATIS.oneM2M.TS0001V161-2015
2014-544992	Japan	Pending	Systems and methods for group based access control of machine to machine devices	ATIS.oneM2M.TS0001V161-2015
10-2014-7018171	Republic of Korea	Pending	Systems and methods for group based access control of machine to machine devices	ATIS.oneM2M.TS0001V161-2015
13/691,347	United States	Pending	Systems and methods for machine to machine device control and triggering	ATIS.oneM2M.TS0001V161-2015
201280068980.8	China P.R.	Pending	Systems and methods for machine to machine device control and triggering	ATIS.oneM2M.TS0001V161-2015
12805861.7	European Patent Convention	Pending	Systems and methods for machine to machine device control and triggering	ATIS.oneM2M.TS0001V161-2015
4185/CHENP/2014	India	Pending	Systems and methods for machine to machine device control and triggering	ATIS.oneM2M.TS0001V161-2015

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
2014-546090	Japan	Pending	Systems and methods for machine to machine device control and triggering	ATIS.oneM2M.TS0001V161-2015
10-2014-7018680	Republic of Korea	Pending	Systems and methods for machine to machine device control and triggering	ATIS.oneM2M.TS0001V161-2015
13/570,464	United States	Pending	Method for determining wireless device location based on proximate sensor devices	ATIS.oneM2M.TS0001V161-2015
201380012410.1	China P.R.	Pending	Method for determining wireless device location based on proximate sensor devices	ATIS.oneM2M.TS0001V161-2015
13714052.1	European Patent Convention	Pending	Method for determining wireless device location based on proximate sensor devices	ATIS.oneM2M.TS0001V161-2015
6264/CHENP/2014	India	Pending	Method for determining wireless device location based on proximate sensor devices	ATIS.oneM2M.TS0001V161-2015
2014-561049	Japan	Pending	Method for determining wireless device location based on proximate sensor devices	ATIS.oneM2M.TS0001V161-2015
10-2014-7027914	Republic of Korea	Pending	Method for determining wireless device location based on proximate sensor devices	ATIS.oneM2M.TS0001V161-2015
13/744,753	United States	Pending	Systems, methods, and apparatus for machine to machine device triggering	ATIS.oneM2M.TS0001V161-2015
201380027049.X	China P.R.	Pending	Systems, methods, and apparatus for machine to machine device triggering	ATIS.oneM2M.TS0001V161-2015
13718750.6	European Patent Convention	Pending	Systems, methods, and apparatus for machine to machine device triggering	ATIS.oneM2M.TS0001V161-2015
2015-505980	Japan	Pending	Systems, methods, and apparatus for machine to machine device triggering	ATIS.oneM2M.TS0001V161-2015
14/187,123	United States	Pending	IoT group communication	ATIS.oneM2M.TS0001V161-2015
103106313	Taiwan	Pending	Establishing groups of Internet of Things (IoT) devices and enabling communication among the groups of IoT devices	ATIS.oneM2M.TS0001V161-2015
PCT/US2014/018412	Patent Cooperation Treaty	Pending	Establishing groups of Internet of Things (IoT) devices and enabling communication among the groups of IoT devices	ATIS.oneM2M.TS0001V161-2015
14/500,863	United States	Pending	Enabling a communication feasibility determination time to complete communication exchanges between an M2M server and one or more M2M devices	ATIS.oneM2M.TS0001V161-2015
103134230	Taiwan	Pending	Enabling a communication feasibility determination time to complete communication exchanges between an M2M server and one or more M2M devices	ATIS.oneM2M.TS0001V161-2015
PCT/US2014/058375	Patent Cooperation Treaty	Pending	Enabling a communication feasibility determination time to complete communication exchanges between an M2M server and one or more M2M devices	ATIS.oneM2M.TS0001V161-2015

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
14/266,707	United States	Pending	Apparatuses and methods for fast onboarding an internet-enabled device	ATIS.oneM2M.TS0001V161-2015
PCT/US2015/025614	Patent Cooperation Treaty	Pending	Apparatuses and methods for fast onboarding an internet-enabled device	ATIS.oneM2M.TS0001V161-2015
62/068,525	United States	Pending	Data aggregation and delivery	ATIS.oneM2M.TS0001V161-2015
14/693,433	United States	Pending	Data aggregation and delivery	ATIS.oneM2M.TS0001V161-2015
62/077,877	United States	Pending	Connectivity module for internet of things (IOT) devices	ATIS.oneM2M.TS0001V161-2015
14/675,341	United States	Pending	Peer-enabled network access extension using yield management	ATIS.oneM2M.TS0001V161-2015
62/102,440	United States	Pending	Peer-enabled network access extension using yield management	ATIS.oneM2M.TS0001V161-2015

**ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS (ATIS)
PATENT HOLDER STATEMENT**

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

This form may be used (consistent with ATIS' Intellectual Property Rights Policy, which may be found in ATIS Operating Procedures by the holder of a patented invention that may be required for adopting, complying with or otherwise utilizing an ATIS-developed American National Standard or other ATIS deliverable. **The use of this form is voluntary.**

Neither ATIS nor any of its Forums or Committees shall be responsible for and expressly take no position concerning the information reflected in the form, or as respects the validity, enforceability or scope of any patented invention referenced in or identified in the form, or concerning the relevance or applicability of any such patented invention to an ATIS-developed American National Standard or other ATIS deliverable.

The use of this form, or its submission to ATIS, is not and shall not be construed as the grant of a license in connection with any patented inventions identified. Nor shall this form or its use create or imply any obligation by the holder of a patented invention to conduct a patent search. To the extent that a license may be sought from the holder of the patented invention identified in this form, the discussion and negotiation of all license terms shall occur directly between the holder of the patented invention and each prospective licensee outside the deliberations of ATIS and its Forums and Committees.

No discussion or negotiation of license terms is permitted in any Forum or Committee. For further information regarding the licensing of any patented inventions identified in this Statement, please contact the person identified in Section B.

The Party submitting this Statement agrees that the owner (or party authorized to make assurances on its behalf) of patents that are the subject of this Statement will, in documents transferring ownership of such patents, include provisions sufficient to ensure that the commitments reflected in this Statement concerning the patents subject to this Statement are binding on the transferee, and that the transferee will similarly include appropriate provisions in the event of future transfers of such patents with the goal of binding each successor-in-interest. This Statement and the assurances contained herein are intended to be binding on successors-in-interest regardless of whether such provisions are included in relevant transfer documents.

A. PARTY SUBMITTING THE STATEMENT

Legal Name (e.g. XYZ Corp.): **QUALCOMM Incorporated**

B. CONTACT FOR LICENSING INFORMATION

Contact Name: Thomas R. Rouse	Title: VP, QTL Patent Counsel
Department: QTL	
Address: 5775 Morehouse Drive, San Diego, CA 92121	
Telephone: 858-587-1121	Fax: 858-651-0933
Email: ip.disclosure@qualcomm.com	

C. ATIS-DEVELOPED AMERICAN NATIONAL STANDARD OR OTHER ATIS DELIVERABLE

Please complete a separate Patent Holder Statement for each standard/deliverable.

ATIS Forum/Committee:	WTSC
ATIS Document Number:	ATIS.oneM2M.TS0003V101-2015
Title:	Security Solutions
Other tracking identifiers*, if appropriate:	

*Note: If the standard/deliverable information is not available, please provide available tracking identifiers (e.g., Committee and Issue number, working text number, contribution number).

D. LICENSING ASSURANCE

In accordance with Section 10.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby declares the following (*check box 1, 2a, 2b or 2c and either box 3a or 3b*):

- ☐ 1. The Party submitting this Statement does not hold or does not currently intend holding any invention the use of which would be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C.
2. The Party submitting this Statement may hold a patent covering an invention the use of which may be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, and with respect to claim(s) of such patent(s), as may be specified more particularly in Section E, that are required for compliance with that ATIS-developed American National Standard or other ATIS deliverable (*check only one box*):
- ☐ a. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, without compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here ☐ if the Party submitting this Statement reserves the right to obtain compensation from applicants who are only willing to license, for compensation, their claim(s) of patents covering an invention, the use of which is required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, on reasonable terms and conditions that are demonstrably free of any unfair discrimination.
- or
- ☒ b. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, with compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here ☒ if such licensing assurance is subject to applicant reciprocity.
- or
- ☐ c. Is unwilling or unable to grant licenses according to the provisions of either 2a or 2b.

3. If the Party submitting this Statement has checked box 2a or 2b, please indicate whether (*check a or b below*):


- ☐ a. The license assurance is provided for any claim(s) of any patent(s) owned or controlled by the Party submitting this Statement, and which such Party has a right to license, covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C, including the claim(s) of the patent(s) identified in Section E, if any; or
- ☒ b. The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C.

E. IDENTIFICATION OF PATENTS (Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

Patent No. or Application No. (if pending)	Country	Status (Granted/Pending)	Title	Relevance*
see attached list				

* Note: A Party may, at its discretion, provide further information or explanation in respect of the invention's relevance to the American National Standard or other ATIS Deliverable identified in Section C.

F. SIGNATURE

Name of Authorized Person (type or print legibly):	Thomas R. Rouse
Signature of Authorized Person:	
Title:	VP, QTL Patent Counsel
Date:	July 15, 2015

For more information regarding ATIS' patent policy, please see Section 10.4 of the ATIS Operating Procedures (Version 4.0), which is available online at www.atis.org/atisop.pdf.

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
8,320,880	United States	Granted	Apparatus and methods for secure architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
ZL200680033790.7	China P.R.	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
06851607.9	European Patent Convention	Pending	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
11006930.9	European Patent Convention	Pending	Methods and apparatus for secure architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
10102491.8	Hong Kong	Pending	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
253142	India	Granted	A method for securely exchanging information over a wireless network	ATIS.oneM2M.TS0003V101-2015
272/MUMNP/2012	India	Pending	A method for securely exchanging information over a wireless network	ATIS.oneM2M.TS0003V101-2015
4875097	Japan	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
10-1001819	Republic of Korea	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
10-0961796	Republic of Korea	Granted	Apparatus and methods for securing architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
1318840	Taiwan	Granted	Apparatus and methods for secure architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
13/661,816	United States	Pending	Apparatus and methods for secure architectures in wireless networks	ATIS.oneM2M.TS0003V101-2015
12/576,496	United States	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0003V101-2015
200980140971.3	China P.R.	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0003V101-2015
09740600.3	European Patent Convention	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0003V101-2015
2681/CHENP/2011	India	Pending	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0003V101-2015
5502876	Japan	Granted	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0003V101-2015
10-1255658	Republic of Korea	Granted	Apparatus and method for providing a portable broadband service using a wireless convergence platform	ATIS.oneM2M.TS0003V101-2015
10/909,550	United States	Pending	SECURE BOOTSTRAP PROVISIONING OF A MOBILE HANDSET IN CARRIER NETWORK	ATIS.oneM2M.TS0003V101-2015

**ALLIANCE FOR TELECOMMUNICATIONS INDUSTRY SOLUTIONS (ATIS)
PATENT HOLDER STATEMENT**

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

This form may be used (consistent with ATIS' Intellectual Property Rights Policy, which may be found in ATIS Operating Procedures by the holder of a patented invention that may be required for adopting, complying with or otherwise utilizing an ATIS-developed American National Standard or other ATIS deliverable. **The use of this form is voluntary.**

Neither ATIS nor any of its Forums or Committees shall be responsible for and expressly take no position concerning the information reflected in the form, or as respects the validity, enforceability or scope of any patented invention referenced in or identified in the form, or concerning the relevance or applicability of any such patented invention to an ATIS-developed American National Standard or other ATIS deliverable.

The use of this form, or its submission to ATIS, is not and shall not be construed as the grant of a license in connection with any patented inventions identified. Nor shall this form or its use create or imply any obligation by the holder of a patented invention to conduct a patent search. To the extent that a license may be sought from the holder of the patented invention identified in this form, the discussion and negotiation of all license terms shall occur directly between the holder of the patented invention and each prospective licensee outside the deliberations of ATIS and its Forums and Committees.

No discussion or negotiation of license terms is permitted in any Forum or Committee. For further information regarding the licensing of any patented inventions identified in this Statement, please contact the person identified in Section B.

The Party submitting this Statement agrees that the owner (or party authorized to make assurances on its behalf) of patents that are the subject of this Statement will, in documents transferring ownership of such patents, include provisions sufficient to ensure that the commitments reflected in this Statement concerning the patents subject to this Statement are binding on the transferee, and that the transferee will similarly include appropriate provisions in the event of future transfers of such patents with the goal of binding each successor-in-interest. This Statement and the assurances contained herein are intended to be binding on successors-in-interest regardless of whether such provisions are included in relevant transfer documents.

A. PARTY SUBMITTING THE STATEMENT

Legal Name (e.g. XYZ Corp.): **QUALCOMM Incorporated**

B. CONTACT FOR LICENSING INFORMATION

Contact Name: Thomas R. Rouse	Title: VP, QTL Patent Counsel
Department: QTL	
Address: 5775 Morehouse Drive, San Diego, CA 92121	
Telephone: 858-587-1121	Fax: 858-651-0933
Email: ip.disclosure@qualcomm.com	

C. ATIS-DEVELOPED AMERICAN NATIONAL STANDARD OR OTHER ATIS DELIVERABLE

Please complete a separate Patent Holder Statement for each standard/deliverable.

ATIS Forum/Committee:	WTSC
ATIS Document Number:	ATIS.oneM2M.TS0004V101-2015
Title:	Service Layer Core Protocol Specification
Other tracking identifiers*, if appropriate:	

*Note: If the standard/deliverable information is not available, please provide available tracking identifiers (e.g., Committee and Issue number, working text number, contribution number).

D. LICENSING ASSURANCE

In accordance with Section 10.4 of the ATIS Operating Procedures, the Party submitting this Statement hereby declares the following (*check box 1, 2a, 2b or 2c and either box 3a or 3b*):

- ☐ 1. The Party submitting this Statement does not hold or does not currently intend holding any invention the use of which would be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C.
2. The Party submitting this Statement may hold a patent covering an invention the use of which may be required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, and with respect to claim(s) of such patent(s), as may be specified more particularly in Section E, that are required for compliance with that ATIS-developed American National Standard or other ATIS deliverable (*check only one box*):
- ☐ a. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, without compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here ___ if the Party submitting this Statement reserves the right to obtain compensation from applicants who are only willing to license, for compensation, their claim(s) of patents covering an invention, the use of which is required for compliance with the ATIS-developed American National Standard or other ATIS deliverable identified in Section C, on reasonable terms and conditions that are demonstrably free of any unfair discrimination.
- or
- ☒ b. An irrevocable license will be made available under reasonable terms and conditions that are demonstrably free of any unfair discrimination, with compensation, to applicants desiring to utilize the license for the purpose of implementing the American National Standard or other ATIS Deliverable;
- Mark here X if such licensing assurance is subject to applicant reciprocity.
- or
- ☐ c. Is unwilling or unable to grant licenses according to the provisions of either 2a or 2b.

3. If the Party submitting this Statement has checked box 2a or 2b, please indicate whether (*check a or b below*):

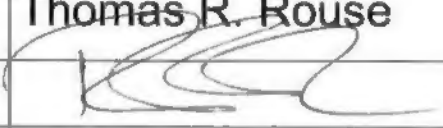
- ☐ a. The license assurance is provided for any claim(s) of any patent(s) owned or controlled by the Party submitting this Statement, and which such Party has a right to license, covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C, including the claim(s) of the patent(s) identified in Section E, if any; or
- ☒ b. The license assurance is provided only for the claim(s) of the patent(s) identified in Section E covering an invention the use of which is required for compliance with the American National Standard or other ATIS Deliverable identified in Section C.

E. IDENTIFICATION OF PATENTS (Completion of the following information is optional if D3a is selected. If D3b is selected, please provide the information indicated below for each patent or application. Attach additional sheets as necessary.)

Patent No. or Application No. (if pending)	Country	Status (Granted/ Pending)	Title	Relevance*
see attached list				

* Note: A Party may, at its discretion, provide further information or explanation in respect of the invention's relevance to the American National Standard or other ATIS Deliverable identified in Section C.

F. SIGNATURE

Name of Authorized Person (type or print legibly):	Thomas R. Rouse
Signature of Authorized Person:	
Title:	VP, QTL Patent Counsel
Date:	July 15, 2015

For more information regarding ATIS' patent policy, please see Section 10.4 of the ATIS Operating Procedures (Version 4.0), which is available online at www.atis.org/atisop.pdf.

Please return via mail, email (scanned with signature), or fax to:

ATIS General Counsel
1200 G Street, N.W., Suite 500
Washington, D.C. 20005 USA
Fax: +1 (202) 393-5453
Email: patents@atis.org

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
8,897,266	United States	Granted	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
UNKNOWN	Brazil	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
7127/CHENP/2011	India	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
2012-502217	Japan	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
10-2011-7025523	Republic of Korea	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
2011143357	Russian Federation	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
2011/07845	South Africa	Pending	Method and apparatus for transmitting control information via upper layer	ATIS.oneM2M.TS0004V101-2015
12/987,901	United States	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
201180011252.9	China P.R.	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
11703065.0	European Patent Convention	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
1604/MUMNP/2012	India	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
2012-549142	Japan	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
10-1458081	Republic of Korea	Granted	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
100101587	Taiwan	Pending	Apparatus and method for allocating data flows based on indication of selection criteria	ATIS.oneM2M.TS0004V101-2015
13/233,985	United States	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0004V101-2015
201280052598.8	China P.R.	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0004V101-2015
12780912.7	European Patent Convention	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0004V101-2015
1648/CHENP/2014	India	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0004V101-2015
2014-530885	Japan	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0004V101-2015
10-2014-7009986	Republic of Korea	Pending	Tracking management systems and methods	ATIS.oneM2M.TS0004V101-2015
14/500,863	United States	Pending	Enabling a communication feasibility determination time to complete communication exchanges between an M2M server and one or more M2M devices	ATIS.oneM2M.TS0004V101-2015

E. Identification of Patents

Patent No. or Application No. (if pending)	Country	Status	Title	Specification
103134230	Taiwan	Pending	Enabling a communication feasibility determination time to complete communication exchanges between an M2M server and one or more M2M devices	ATIS.oneM2M.TS0004V101-2015
PCT/US2014/058375	Patent Cooperation Treaty	Pending	Enabling a communication feasibility determination time to complete communication exchanges between an M2M server and one or more M2M devices	ATIS.oneM2M.TS0004V101-2015
14/266,707	United States	Pending	Apparatuses and methods for fast onboarding an internet-enabled device	ATIS.oneM2M.TS0004V101-2015
PCT/US2015/025614	Patent Cooperation Treaty	Pending	Apparatuses and methods for fast onboarding an internet-enabled device	ATIS.oneM2M.TS0004V101-2015
62/068,525	United States	Pending	Data aggregation and delivery	ATIS.oneM2M.TS0004V101-2015
14/693,433	United States	Pending	Data aggregation and delivery	ATIS.oneM2M.TS0004V101-2015
62/102,440	United States	Pending	Peer-enabled network access extension using yield management	ATIS.oneM2M.TS0004V101-2015
14/675,341	United States	Pending	Peer-enabled network access extension using yield management	ATIS.oneM2M.TS0004V101-2015